Bona SuperCourt® Poly 450

OIL-MODIFIED WOOD ATHLETIC FLOOR FINISH

Specially formulated for professional use on wooden sport floors



MFMA Compliant Finish

Premium quality, oil-modified polyurethane.

Bona SuperCourt® Poly 450 is a low VOC polyurethane which provides an extremely tough, high build solids finish which is specially formulated to meet clean air quality standards.

- Tough protective coat
- Excellent chemical resistance
- Light amber color

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TECHNICAL DATA

Ingredients:	Oil-modified polyurethane resin, mineral spirits (solvent), driers.
Solid Content:	50%
Density:	7.5 lbs./gallon (0.90 g/cm³)
Flash Point:	110ºF (40ºC)
US Regulatory VOC:	<450 g/L
Sheen / Sheen at 60º:	90+
Dilution:	Do Not Dilute
Odor:	Solvent
Color:	Light amber and clear
Packaging:	Five-gallon pail, metal
Shelf life:	Two-year shelf life in unopened container
Storage/Transport:	Store at room temperature. Keep container closed when not in use. Do not store above 100˚ F (38˚ C).
Application Tools:	Brush, lambswool applicator, Bona Heavyweight T-bar, and Bona Floor Coater Sleeve.
Coverage:	600 square feet per gallon
Leveling:	Excellent
Defoaming:	Good
Drying time:	12-16 hours (based on recommended coverage rate, under ideal conditions)
Curing time:	The curing process takes approximately 14 days. The floor may be walked on after 48 hours but remains susceptible to scuffing or marring until completely cured. Do not replace athletic mats or area rugs until the floor has fully cured. No wet cleaning during the first week, only dry dust with a Bona SuperCourt Microfiber Dusting Pad. (Do not use dry dust mop treatment chemicals on wooden floors.)
Clean-up:	Clean application tools and equipment with mineral spirits.
Disposal:	Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.
Certificates:	MFMA Compliant Finish

BEFORE USING, READ ALL DIRECTIONS AND SAFETY DATA SHEETS. FOR TECHNICAL ADVICE: Call Bona US at 800-872-5515

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HAZARD WARNING:

RAGS, STEEL WOOL OR WASTE SOAKED WITH BONA ALL COURT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED, WATER-FILLED METAL CONTAINER.

RESPONSE

In case of eye contact, flush immediately with water. Get medical attention if irritation occurs. For skin, wash thoroughly with soap and water. If affected by inhalation, remove to fresh air. If swallowed, drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Get medical attention if symptoms.

RECOMMENDED USE

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- Basketball courts
- multi-purpose gym
- stage
- aerobic
- dance and yoga floors
- volleyball courts
- racquetball
- squash
- and badminton courts.

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COMPATIBILITY

Bona SuperCourt Poly 450 is not recommended over shellac, lacquer sanding sealers, fillers or stains containing stearates. Oil-modified finishes will have a slight ambering effect over light-colored surfaces. Bona Sport Poly will adhere to most finishes after proper preparation and dry times. ALWAYS PREPARE A SAMPLE OR TEST AREA TO DETERMINE COMPATIBILITY, APPEARANCE AND DESIRED RESULTS.

PREPARATION

1. Sand and prepare floor using MFMA-accepted methods. 2. Make your final cut with 100 to 120-grit paper. Screen with 100-grit or 120-grit screen or use a Bona Multidisc and 80-grit or 120-grit Bona Diamond abrasives. 3. Vacuum thoroughly. 4. Dry tack thoroughly with a dry Bona SuperCourt Microfiber Tacking Pad. 5. Apply a Bona sealer and Bona Paint as needed. (see individual product TDS for more information).

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MIXING INSTRUCTIONS

Remove lid and stir thoroughly before use. DO NOT THIN

APPLICATION

FINISHING

1. Pour a 4”-6” wide line of finish along the starting wall. Go with the grain of the wood, applying a thin, uniform coat. 2. Using a Bona Floor Coater Sleeve on a heavyweight T-bar, draw the applicator forward, with the grain of the wood, moving the finish toward the opposite wall. Hold the applicator at a “snowplow” angle. 3. Avoid leaving puddles or excessive amounts of finish on the floor. 5. BE SURE YOU ARE USING THE RECOMMENDED COVERAGE OF 600 SQUARE FEET PER GALLON. 5. Allow first coat to dry thoroughly (approximately 8-12 hours). High humidity and/or low temperature conditions will extend the dry time (recommended conditions of 65-80˚F/40-60% relative humidity). 6. For proper adhesion, abrade between all coats of finish. 7. Allow final coat to dry at least 72 hours before use.

INTERCOAT ABRASION FOR FLOORS WITH GAMELINES

See sealer instructions for proper sequence of sealer, gamelines and finish coats. Before applying gamelines, abrade using 180 or 240-grit Bona Diamond abrasives mounted on 1-2 Bona Conditioning Pads. Vacuum and tack thoroughly. Note: If paint will not be applied within 24 hours, the floor must be re-abraded to ensure proper adhesion. Apply gamelines using Bona CourtLines paint or Bona SuperSport Paint according to label instructions. If using another manufacturer’s paint, before applying gamelines, always prepare a sample or test area to determine compatibility and adhesion. Always abrade properly dried Bona CourtLines paint or Bona SuperSport Paint using double-stacked Bona Conditioning Pads. Always vacuum and tack thoroughly after abrading. Apply finish coat within 24 hours.

INTERCOAT ABRASION FOR FLOORS WITHOUT GAMELINES

Abrade between all oil-modified sealer and finish coats using 180 or 240-grit Bona Diamond abrasives mounted on 1-2 Bona Conditioning Pads. As an alternative when abrading between coats of finish, use a Bona Multidisc with 180 or 240-grit Bona Diamond abrasives. Always vacuum and tack thoroughly after abrading. Apply finish coat within 24 hours.BR

COVERAGE

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RECOATING

Be sure floor is free from wax, polish, and oily residues. Always test for compatibility. Follow the Bona Prep® system with Bona Diamond Abrasives and apply 1–2 coats of Bona SuperCourt Poly 450.

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MAINTENANCE

Place walk-off mats at all entrances to reduce dirt and grit. For best results, use Bona SuperCourt Athletic Floor Care System products for ongoing maintenance.

Bona US
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